

# MATERIAL SAFETY DATA SHEET

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Revision No: New MSDS

Scotts® Turf Builder® with SummerGuard® 28-3-8

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® Turf Builder® with SummerGuard® 28-3-8  
**PRODUCT DESCRIPTION:** Insect Control and Lawn Fertilizer

### MANUFACTURER

The Scotts Company  
Earthgro-Hyponex-Miracle Gro  
Scotts-Scotts Lawn Service-Scotts Sierra-  
Swiss Farms  
14111 Scottslawn Road  
Marysville, OH 43041

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**International:** 1-703-527-3887  
**Emergency Phone:** 1-937-644-0011

**EPA REG. NO.:** 279-3203-538D **PN:** S10585

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Bifenthrin	82657-04-3	None	None
Urea	57-13-6	None	None
Ammonium Phosphate	7722-76-1	None	None
Potassium Sulfate	7778-80-5	None	None
Sulfur	7704-34-9	None	None

**COMMENTS:** The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m3 inhalable particulates and 3 mg/m3 respirable particulate. The OSHA TLV is 15 mg/m3 total dust, 5 mg/m3 respirable fraction. Material exposure limits are for airborne 8-hour time-weighted averages and apply only to occupational exposures.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### IMMEDIATE CONCERNS: - CAUTION

- Avoid contact with eyes, skin, or clothing.
- Causes eye irritation.
- Harmful if swallowed.
- KEEP OUT OF REACH OF CHILDREN.

### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.

**SKIN:** May cause redness or irritation with prolonged contact.

**INGESTION:** Possible nausea, vomiting, diarrhea.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

**ACUTE TOXICITY:** Effects from overexposure result from absorption through the skin or may result from inhaling the dust.

Overexposure to the product may cause diarrhea. Contact with bifenthrin may occasionally produce skin sensations such as rashes, numbing, burning, or tingling. These skin sensations are reversible and usually subside within 12 hours.

**ROUTES OF ENTRY:** Ingestion, inhalation.

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#### 4. FIRST AID MEASURES

**EYES:** If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**SKIN:** Wash thoroughly with plenty of soap and water. If irritation persists, get medical attention.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTES TO PHYSICIAN:** This product is a pyrethroid. If large amounts have been ingested, milk, cream, or other digestible fats and oils may increase absorption and should be avoided.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2001-1, January 2, 2001, and apply in the event a product label is not immediately available.

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#### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Dry chemical, water spray, CO<sub>2</sub>.

**FIRE FIGHTING PROCEDURES:** Use self-contained air supply. Contain run-off.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Urea and methylene urea nitrogen sources can generate ammonia in a fire. Oxides of nitrogen, sulfur, carbon, and potassium are also possible.

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#### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove to approved landfill.

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#### 7. HANDLING AND STORAGE

**HANDLING:** See label. Wash hands with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. KEEP OUT OF REACH OF CHILDREN.

**STORAGE:** See label. KEEP OUT OF REACH OF CHILDREN. Avoid container breakage. Store in cool, dry area in closed container or package. Keep away from feed or foodstuffs.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

##### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** See label. Protective eye wear is normally not required but is suggested so contact can be avoided.

**SKIN:** See label. No special protective clothing is necessary under normal use conditions. Gardening gloves are suggested for repeated handling of lawn care products. Applicators should wear long-sleeved shirt, long pants, shoes, and socks.

**RESPIRATORY:** If airborne dust levels are high, a dust mask is recommended to avoid inhalation.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Granular

**pH:** 5.75

**DENSITY:** 41-47 lbs./cu.ft.

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Excessive heat, contact with strong alkalis, fuels, other combustible materials, strong oxidizing agents (permanganate, dichromate, chlorine, etc.), strong acids (e.g. sulfuric acid), strong bases (e.g. sodium hydroxide) reducing agents, methanamine, and many chlorine compounds (e.g. sodium hypochlorite, sodium chlorate, pool chemicals, household bleach and other cleaning products). Active metals such as aluminum and magnesium.

**INCOMPATIBLE MATERIALS:** None known.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Eye irritation (rabbit): Slightly irritating. Based on a comparable formulation containing 0.2% bifenthrin.

**DERMAL LD<sub>50</sub>:** >5000 mg/kg (rat). Based on a comparable formulation containing 0.2% bifenthrin.

**ORAL LD<sub>50</sub>:** >5,000 mg/kg (rat). Based on a comparable formulation containing 0.2% bifenthrin.

**INHALATION LC<sub>50</sub>:** No data available.

**SENSITIZATION:** Not a dermal sensitizer (guinea pig). Based on a comparable formulation containing 0.2% bifenthrin.

### CARCINOGENICITY:

**CARCINOGENICITY COMMENTS:** The EPA has classified bifenthrin as a Group C carcinogen. Bifenthrin is not considered carcinogenic by OSHA, IARC, and NTP.

**REPRODUCTIVE EFFECTS:** Bifenthrin is not considered to cause adverse reproductive effects in rodents.

**TERATOGENIC EFFECTS:** Bifenthrin is not considered to be a teratogen.

**GENERAL COMMENTS:** There are limited data regarding this product. Exposure to fertilizer products can occur by eye and skin contact, ingestion, or inhalation of dusts/mists. Eye contact may cause slight, temporary irritation. Skin contact may cause mild irritation in susceptible persons. Ingestion may cause nausea, vomiting along with mild irritation to the mouth, throat, esophagus and stomach. High dust concentrations may cause mild respiratory tract irritation with coughing and nasal discharge.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This pesticide is toxic to fish and aquatic invertebrates. Keep out of lakes, streams, and ponds. Do not contaminate sewers or water sources by cleaning of equipment or with waste.

**CHEMICAL FATE INFORMATION:** In soil, bifenthrin is stable over a wide pH range and degrades at a slow rate which is governed by soil characteristics. Bifenthrin will also persist in aquatic sediments. Bifenthrin has a high Log Pow (>6.0), a high affinity for organic matter, and is not mobile in soil. Therefore, there is little potential for movement into ground water. There is potential for bifenthrin to bioconcentrate (BCF=11,750).

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## 13. DISPOSAL CONSIDERATIONS

**FOR LARGE SPILLS:** Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, and local procedures.

**EMPTY CONTAINER:** Discard empty container in trash.

**GENERAL COMMENTS:** Do not contaminate water sources by cleaning of equipment or disposal of wastes.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not DOT regulated.

**OTHER SHIPPING INFORMATION:** The transportation information shown may not apply to all shipping situations. Consult 49 CFR, or appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping regulations.

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## 15. REGULATORY INFORMATION

**CALIFORNIA PROPOSITION 65:** None of the indicated components of this product are listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause reproductive toxicity or cancer.

**GENERAL COMMENTS:** Contact local authorities for proper disposal of large quantities of unused product.

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## 16. OTHER INFORMATION

**REVISION SUMMARY** New MSDS

### NFPA CODES

**HEALTH:** 2    **FIRE:** 0    **REACTIVITY:** 0

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

**COMMENTS:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.